



Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-R;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in diesel or incomplete medium-duty vehicles with a manufacturer's GVWR from 8501 to 14000 pounds. Production engines shall be in all material respects the same as those for which certification is granted

MODEL YEAR	ENGINE FAMILY	EMISSION STD. CATEGORY ¹	FUEL TYPE ¹	STANDARDS & TEST PROCEDURES	EMISSION INDEX (g/L)	FEDERAL SPECIAL FEATURES ²	CRD COMPLIANCE	
				CRD			CRD COMPLIANCE	
2007	TRMCH6L45E	ULEV	Gasoline	CRD	5.4	2TWC, TWC, PM (0.05g/L), SP ³	CRD COMPLIANCE	
ENGINE MODELS: CRD (rated power, in hp)							INDEX (g/L)	CRD COMPLIANCE
F-250: F04140580, F04140585, F04140585, F04140580, F04140585 (CRD)							5.4	CRD (F)
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¹ Fuel category is CRD (gasoline) with rating 13.000 (see Title 16, California Code of Regulations, Section 2001.40 (2) (F) (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) 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Following are: 1) the FTP exhaust emission standards or family emission limit(s) as applicable under 13.000 (1); 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. Diesel CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures, in lieu of testing. (For dual- and fuel-flex-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel.)

	NMHC		NOx		NMHC/NOx		CO		PM		HCMI	
	FTP		EURO		FTP		EURO		FTP		EURO	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.1	0.1	0.1	0.1	0.1	0.1	14.4	0	0	0	0.05	0
FEL	0.1	0.1	0.1	0.1	0.05	0	0	0	0	0	0.05	0
CRD	0.1	0.1	0.1	0.1	0.07	0	0.0	0	0	0	0.05	0
NTE	0	0	0	0	0	0	0	0	0	0	0	0

¹ All test procedures are in full compliance with FTP (Federal Test Procedure) EURO (European Union) and other applicable standards. (For dual- and fuel-flex-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel.)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the optional emission standards and test procedures in 13.000 applicable to diesel or incomplete medium-duty vehicles with a GVWR from 8501 to 14000 pounds and, therefore, shall be subject to 13.000 2130(a) (in-use testing of engines certified for use in diesel or incomplete medium-duty vehicles with a 8501-14000 pound GVWR).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13.000 1905 (emission control labels), 13.000 1908.2 (on-board diagnostic, full or partial compliance), and 13.000 2005 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 19 day of September 2008.

Annette Hebert
Annette Hebert, Chief
Mobile Source Operations Division